CONTENTS OF VOLUME 48

No. 1, Spring 1981

Assessment of left ventricular function	
William C. Sheldon, M.D.	1
Effect of heart disease on the pulmonary circulation	
Margaret Branthwaite, M.D.	3
Hemodynamic effects of barbiturates and benzodiazepines	
Robert K. Stoelting, M.D.	9
Hypertension and antihypertensive therapy	
Robert C. Tarazi, M.D.	14
Hemodynamic effects of muscle relaxants	1.4
	16
Anis Baraka, M.D.	10
Hemodynamic effects of narcotics	00
Theodore H. Stanley, M.D.	22
Monitoring the systemic circulation	
Azmy R. Boutros, M.D.	30
Monitoring arrhythmias and signs of intraoperative ischemia by electrocardiogram	
Roger Dean White, M.D.	32
Noninvasive monitoring in the patient with heart disease	
Joachim S. Gravenstein, M.D.	37
Cerebral function monitor during open heart surgery	0,
George Silvay, M.D., Bruce P. Mindich, M.D., Sidney Owitz, M.D.,	
and Robert S. Litwak, M.D.	44
Risk of anesthesia in patients with heart disease	77
	50
Sait Tarhan, M.D.	50
Anesthesia in the heart patient for noncardiac surgery	
Emerson A. Moffitt, M.D.	55
Anesthesia for the hypertensive patient	
Pierre Foex, D.M., D.Phil.	63
Anesthesia for carotid endarterectomy	
Arthur S. Keats, M.D.	68
Local and regional anesthetic techniques for the patient with ischemic heart disease	
Robert G. Merin, M.D.	72
Evolution of anesthesia for cardiac surgery	
Arthur S. Keats, M.D.	75
Cardiac angiography and the progress of heart surgery	10
F. Mason Sones, Jr., M.D.	80
	00
A surgeon's view of risk in coronary artery surgery	00
Floyd D. Loop, M.D.	83
Anesthetic considerations for coronary artery surgery	0.0
J. Earl Wynands, M.D.	86
Anesthesia and heart reoperations	
Fawzy G. Estafanous, M.D.	93

Extracorporeal partial bypass with the use of fluorocarbon liquid-membrane oxygenator	
F. F. Belojartsev, M.D., V. A. Simanov, M.D., K. Kh. Khapy, M.D.,	
K. N. Makarov, M.D., L. L. Gervits, M.D., E. I. Mayevsky, M.D.,	
and E. I. Lezhnev, M.D.	97
Practical control of hemostatis	
Norig Ellison, M.D.	104
Blood conservation in open heart surgery	101
Edward Lowenstein, M.D.	112
Myocardial preservation	112
William A. Lell, M.D.	126
Endocrine changes during anesthesia and cardiopulmonary bypass	120
Adel A. El-Etr, M.D., Silas N. Glisson, Ph.D., and Kanteerava Balasaraswathi, M.D.	132
	132
Hypertensive episodes during and after open heart surgery	139
Fawzy G. Estafanous, M.D.	139
Anesthesia for cardiac transplantation	149
J. Kent Garman, M.D.	142
Anesthesia for aortic operations	147
Alexander Romagnoli, M.D., and J. R. Cooper, Jr., M.D.	147
Anesthetic management of neonates undergoing palliative operations for congenital heart defects	
John F. Schweiss, M.D., and D. Glenn Pennington, M.D.	153
Anesthesia for complex congenital anomalies; profound hypothermia	
David J. Steward, M.D.	166
Evaluation and surgical management of patients with severe combined coronary	
artery disease and peripheral vascular atherosclerosis	
Paul C. Taylor, M.D.	172
Peripheral vasodilators in open heart surgery	
Joel A. Kaplan, M.D.	174
Use of inotropic agents in open heart surgery	
John P. Kampine, M.D., Ph.D.	177
Mechanical support of the circulation	
David Bregman, M.D.	181
Pharmacologic and mechanical support of the circulation	
Marcel Boulanger, M.D.	191
Pacemakers during open heart surgery	
J. Earl Wynands, M.D.	193
Care of the cardiac patient after noncardiac surgery	
Norman J. Starr, M.D.	200
Fluid and electrolyte management following open heart surgery	
Azmy R. Boutros, M.D.	202
Neurologic complications of open heart surgery; computer-assisted analysis of	
531 patients	
Anthony C. Breuer, M.D., Anthony J. Furlan, M.D., Maurice R. Hanson, M.D.,	
Richard J. Lederman, M.D., Floyd D. Loop, M.D.,	
Delos M. Cosgrove, M.D., Michel A. Ghattas, M.D.,	
and Fawzy G. Estafanous, M.D.	205
Acute renal failure in cardiac surgical patients	
Donald G. Vidt, M.D.	207

Role of computers in postoperative care	
Azmy R. Boutros, M.D.	213
Postoperative respiratory care	
Herbert Benzer, M.D.	215
Pulmonary dysfunction after coronary artery bypass surgery	
Michel A. Ghattas, M.D.	218
Oxygen transport and doubts about PEEP	001
Alan Gilston, M.D. Patterns of ventilation	221
Margaret A. Branthwaite, M.D.	226
Prolonged mechanical ventilation after open heart surgery	220
Alan Gilston, M.D.	233
No. 2, Summer 1981	
Organizational aspects of continuous ambulatory peritoneal dialysis (CAPD) Martin J. Schreiber, M.D., and Donald G. Vidt, M.D.	237
Enzyme immunohistochemistry: review of technical aspects and diagnostic applications	231
Raymond R. Tubbs, D.O., Khalil Sheibani, M.D., Sharad D. Deodhar, M.D., Ph.D., and William A. Hawk, M.D.	245
Reversal of hypotension with naloxone	
Thomas L. Higgins, M.D., and Edward D. Sivak, M.D.	283
Red cell transfusions in autoimmunized patients	000
Peter D. Issitt, F.I.M.L.S., M.I. Biol., M.R.C.Path. Case Report	289
Verrucous squamous cell carcinoma of the vagina; report of a case and review of the literature	
Miles J. Jones, M.D., Howard S. Levin, M.D.,	
and Lester A. Ballard, Jr., M.D.	305
No. 3, Fall 1981	
Spectrum of M-mode echocardiographic findings in total anomalous pulmonary venous return	
Douglas S. Moodie, M.D.	315
The role of peritoneoscopy in the diagnosis of acute abdominal conditions	
James T. Diehl, M.D., Michael S. Eisenstat, M.D., Sheldon Gillinov, M.D.,	
and Dinkar Rao, M.D.	325
An immunoperoxidase technique to aid in the differential diagnosis of prostatic carcinoma	
Andrew Fishleder, M.D., Raymond R. Tubbs, D.O.,	
and Howard S. Levin, M.D.	331
Case Reports	
An extraordinarily long survival of a patient with inoperable cancer of the breast	
George Crile, Jr., M.D., and Antonio Rodriguez Antunez, M.D.	337

- Prolonged survival of a patient with Richter's syndrome; report of a 10-year follow-up
 - Ronald M. Bukowski, M.D., Richard A. Savage, M.D., and George C. Hoffman, M.B., B.Chir., F.R.C.Path. 341
- Endosalpingiosis
- Michael D. Holmes, M.D., Howard S. Levin, M.D., 345 and Lester A. Ballard, Jr., M.D.

No. 4, Winter 1981

- Postpericardiotomy syndrome following surgery for congenital heart disease

 Derek Fyfe, M.D., Ph.D., Douglas S. Moodie, M.D., and Carl C. Gill, M.D. 353

 Myocardial revascularization at The Cleveland Clinic Foundation—1980
- Gary L. Saltus, D.O., Floyd D. Loop, M.D., Fawzy G. Estafanous, M.D., and William C. Sheldon, M.D. 36
- Ovarian carcinoma; second-look laparotomy postchemotherapy

 Kenneth D. Webster, M.D., and Lester J. Ballard, Jr., M.D. 365
- Case Reports
 - Left ventricular assist device support; twenty-one-month survival Leonard R. Golding, M.D., Floyd D. Loop, M.D., Glenn W. Sandberg, M.D.,
 - Gordon Jacobs, M.S.E.E., and Royston C. Lewis, M.D., 373
 Paradoxical thromboembolism associated with heparin therapy; a case report
 - and review of the literature

 Jeffrey W. Olin, D.O., and Victor G. de Wolfe, M.D. 379

Index Issue

CLEVELAND CLINIC QUARTERLY-VOLUME 48, 1981

AUTHOR INDEX

Balasaraswathi K, 132	Gilston A, 221, 233	Moodie DS, 315, 353
Ballard LA Jr, 305, 345, 365	Glisson SN, 132	
Baraka A, 16	Golding LR, 373	Olin JW, 379
Belojartsev FF, 97	Gravenstein JS, 37	Owitz S, 44
Benzer H, 215		
Boulanger M, 191	Hanson MR, 205	Pennington DG, 153
Boutros AR, 30, 202, 213	Hawk WA, 245	
Branthwaite MA, 3, 226	Higgins TL, 283	Rao D, 325
Bregman D, 181	Hoffman GC, 341	Romagnoli A, 147
Breuer AC, 205	Holmes MD, 345	
Bukowski RM, 341		Saltus GL, 361
	Issitt PD, 289	Sandberg GW, 373
Cooper JR Jr, 147		Savage RA, 341
Cosgrove DM, 205	Jacobs G, 373	Schreiber MJ, 237
Crile G Jr, 337	Jones MJ, 305	Schweiss JF, 153
		Sheibani K, 245
de Wolfe VG, 379	Kampine JP, 177	Sheldon WC, 1, 361
Deodhar SD, 245	Kaplan JA, 174	Silmanov VA, 97
Diehl JT, 325	Keats AS, 68, 75	Silvay G, 44
	Khapy KK, 97	Sivak ED, 283
Eisenstat MS, 325	• • • • • • • • • • • • • • • • • • • •	Sones FM Jr, 80
El-Etr AA, 132	Lederman RJ, 205	Stanley TH, 22
Ellison N, 104	Lell WA, 126	Starr NJ, 200
Estafanous FG, 93, 139, 205, 361	Levin HS, 305, 331, 345	Steward DJ, 166
	Lewis RC, 373	Stoelting RK, 9
Fishleder A, 331	Lezhnev EI, 97	
Foëx P, 63	Litwak RS, 44	Tarazi RC, 14

Furlan AJ, 205

Ghattas MA, 205, 218 Gill CC, 353 Gillinov S, 325

Makarov KN, 97 Mayevsky EI, 97 Merin RG, 72 Mindich BP, 44 Moffitt EA, 55

Lowenstein E, 112

Loop FD, 83, 205, 361, 373

Tarhan S, 50 Taylor PC, 172 Tubbs RR, 245, 331 Vidt DG, 207, 237 Webster KD, 365 White RD, 32 Wynands JE, 86, 193

CLEVELAND CLINIC QUARTERLY-VOLUME 48, 1981

SUBJECT INDEX

ANESTHESIA AND THE HEART PATIENT, PROCEEDINGS, 1

Anesthesia for patients with heart disease, 50, 55, 63, 68, 72, 75, 86, 93, 142, 147, 153, 166 Applied pathophysiology of heart disease, 1, 3

Coronary artery surgery, 80, 83, 86, 93, 97, 104, 112, 126, 132, 139, 142, 147, 153, 166, 172, 174, 177

Hemodynamic effects of drugs in anesthesia, 9, 14, 16, 22

Monitoring, 30, 32, 37, 44

Pharmacologic and mechanical support of the circulation, 181, 191, 193

Postoperative care, 200, 202, 205, 207, 213, 215, 218, 221, 226, 233

AUTOIMMUNITY. Red cell transfusions in autoimmunized patients, 289

BREAST. An extraordinarily long survival of a patient with inoperable cancer of the breast, 337

CARCINOMA. An extraordinarily long survival of a patient with inoperable cancer of the breast, 337

An immunoperoxidase technique to aid in the differential diagnosis of prostatic carcinoma, 331

Ovarian carcinoma; second-look laparotomy postchemotherapy, 365

Verrucous squamous cell carcinoma of the vagina; report of a case and review of the literature, 305

CONGENITAL HEART DISEASE. Postpericardiotomy syndrome following surgery for congenital heart disease, 353

ECHOCARDIOGRAPHY. Spectrum of Mmode echocardiographic findings in total anomalous pulmonary venous return, 315

ENDOSALPINGIOSIS. Endosalpingiosis, 345

HYPOTENSION. Reversal of hypotension with naloxone, 283 IMMUNOHISTOCHEMISTRY. Enzyme immunohistochemistry; review of technical aspects and diagnostic applications, 245

MYOCARDIAL REVASCULARIZATION. Myocardial revascularization at The Cleveland Clinic Foundation—1980, 361

NALOXONE. Reversal of hypotension with naloxone, 283

OVARY. Ovarian carcinoma; second-look laparotomy postchemotherapy, 365

PERITONEAL DIALYSIS. Organizational aspects of continuous ambulatory peritoneal dialysis (CAPD), 237

PERITONEOSCOPY. The role of peritoneoscopy in the diagnosis of acute abdominal conditions, 325

POSTPERICARDIOTOMY SYNDROME.

Postpericardiotomy syndrome following surgery for congenital heart disease, 353

PROSTATE. An immunoperoxidase technique to aid in the differential diagnosis of prostatic carcinoma, 331

RICHTER'S SYNDROME. Prolonged survival of a patient with Richter's syndrome; report of a 10-year follow-up, 341

THROMBOEMBOLISM. Paradoxical thromboembolism associated with heparin therapy; a case report and review of the literature, 379

TRANSFUSION. Red cell transfusions in autoimmunized patients, 289

VAGINA. Verrucous squamous cell carcinoma of the vagina; report of a case and review of the literature, 305

VENTRICLE, LEFT. Left ventricular assist device support; twenty-one-month survival, 373

